



OptiVision LED gen3

BVP527 2030/757 HGB A35-WB D9 T25 100K

OPTIVISION LED GEN3 LARGE, LED module 204000 lm, 757 cool white, 230 to 400 V, Asymmetrical

The Philips OptiVision LED gen3 floodlighting system provides a complete lighting solution for the simplest through to the most complex area and recreational sports lighting applications. The high-efficiency floodlight comes with a single piece die cast housing, hosting 2 and 3 LED engines respectively, which also function with an external driver box — separate for use at a distance from the floodlight (BV), or prefixed onto the mounting bracket of the floodlight (HGB) for ease of installation and lower initial cost. It meets the highest performance standards, provides outstanding light, quality, uniformity and ensures safety and visual comfort. OptiVision LED offers new possibilities to reduce energy consumption and increase flexibility (instant start, programmable lighting levels) when used in conjunction with Interact Sports lighting management system, dedicatedly designed for recreational and training facilities. The floodlight is also compatible with other external control systems through DALI.

Product data

General Information Lamp family code LED2040 [LED module 204000 lm] Light source replaceable Yes Number of gear units 1 unit Driver included Yes Remarks * At higher ambient temperatures (greater than the luminaire ambient selected) the luminaire might automatically dim down to protect components Light source engine type LED Service tag Yes		
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Driver included Yes Remarks * At higher ambient temperatures (greater than the luminaire ambient selected) the luminaire might automatically dim down to protect components Light source engine type LED	Light source replaceable	Yes
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protect components Light source engine type LED		than the luminaire ambient selected) the
Light source engine type LED		luminaire might automatically dim down to
		protect components
Service tag Yes	Light source engine type	LED
	Service tag	Yes
Product family code BVP527 [OPTIVISION LED GEN3 LARGE]	Product family code	BVP527 [OPTIVISION LED GEN3 LARGE]

Lighting Technology	LED
CE mark	Yes
Warranty period	3 years
Flammability mark	For mounting on normally flammable
	surfaces
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Light Technical	
Upward light output ratio	0
Luminous Flux	161,000 lm

Datasheet, 2023, September 4 data subject to change

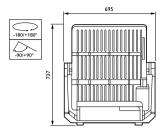
OptiVision LED gen3

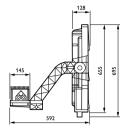
Standard tilt angle posttop	O°
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	5700 K
Luminous Efficacy (rated) (Nom)	114 lm/W
Color rendering index (CRI)	>70
Light source color	757 cool white
Optical cover type	Polycarbonate bowl/cover clear
Luminaire light beam spread	50° - 16° × 116°
Optic type outdoor	Asymmetrical
Operating and Electrical	
Input Voltage	230 to 400 V
Line Frequency	50 to 60 Hz
Inrush current	20 A
Inrush time	0.160 ms
Power Consumption	1,415 W
Power Factor (Fraction)	0.95
Connection	Connection unit 5-pole
Cable	-
Number of products on MCB of 16 A type B	-
Temperature	
Ambient temperature range	-40 to +50 °C
Controls and Dimming	
Dimmable	
	Yes
Driver/power unit/transformer	
Driver/power unit/transformer Control interface	
	Power supply unit with DALI interface
Control interface	Power supply unit with DALI interface
Control interface	Power supply unit with DALI interface
Control interface Constant light output	Power supply unit with DALI interface
Control interface Constant light output Mechanical and Housing	Power supply unit with DALI interface DALI No
Control interface Constant light output Mechanical and Housing Housing Material	Power supply unit with DALI interface DALI No
Control interface Constant light output Mechanical and Housing Housing Material Reflector material	Power supply unit with DALI interface DALI No Aluminum
Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material	Power supply unit with DALI interface DALI No Aluminum - Polycarbonate
Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material	Power supply unit with DALI interface DALI No Aluminum - Polycarbonate Polycarbonate
Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material	Power supply unit with DALI interface DALI No Aluminum - Polycarbonate Polycarbonate Aluminum
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Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color Mounting device	Power supply unit with DALI interface DALI No Aluminum - Polycarbonate Polycarbonate Aluminum Aluminum Mounting bracket adjustable
Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color Mounting device Optical cover shape	Power supply unit with DALI interface DALI No Aluminum - Polycarbonate Polycarbonate Aluminum Aluminum Mounting bracket adjustable Flat
Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color Mounting device Optical cover shape Optical cover finish	Power supply unit with DALI interface DALI No Aluminum - Polycarbonate Polycarbonate Aluminum Aluminum Mounting bracket adjustable Flat Clear
Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color Mounting device Optical cover shape Optical cover finish Overall length	Power supply unit with DALI interface DALI No Aluminum - Polycarbonate Polycarbonate Aluminum Aluminum Mounting bracket adjustable Flat Clear 592 mm

Overall diameter	737 mm
Effective projected area	0.512 m²
Dimensions (Height x Width x Depth)	695 x 695 x 592 mm
Approval and Application	
Ingress protection code	IP66 [Dust penetration-protected, jet-
	proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Surge Protection (Common/Differential)	Surge protection level until 10 kV differential
	mode
Protection class IEC	Safety class I
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.322, 0.335) SDCM<5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Over Time Performance (IEC Complia	ant)
Control gear failure rate at median useful	10 %
life 50000 h	
Lumen maintenance at median useful life*	L80
100000 h	
Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	10%
Product Data	
Order product name	BVP527 2030/757 HGB A35-WB D9 T25
	100K
Full product name	BVP527 2030/757 HGB A35-WB D9 T25
	100K
Full product code	871869986752200
Order code	912300024307
Material Nr. (12NC)	912300024307
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699867522
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699867522
2, 5. 5 6436	5.1555557522

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Dimensional drawing







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